

WHAT IS CLAIMED IS:

1 ^{Sub 932} A power transmission apparatus of motor vehicles comprising:

an engine;

a gear change apparatus provided between said engine and a vehicle drive shaft;

an electric rotary machine connected to an output shaft of said engine and said vehicle drive shaft via said gear change apparatus; and

a clutch provided between an input shaft and an output shaft of said gear change apparatus and adjusting a transmission torque between said input shaft and said output shaft.

2. A power transmission apparatus of motor vehicles according to claim 1, wherein said clutch is mounted on a gear having a minimum gear change ratio in said gear change apparatus.

3. A power transmission apparatus of motor vehicles comprising:

an engine;

a gear change apparatus provided between said engine and a vehicle drive shaft; and

an electric rotary machine connected to an output shaft of said engine and said vehicle drive shaft via said gear change apparatus,

wherein a rotation of an output shaft of said electric rotary machine is reduced and transmitted to an engine side input shaft of said gear change apparatus.

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a gear change apparatus arranged between said engine and a vehicle drive shaft; and

an electric rotary machine connected to an
output shaft of said engine and said vehicle drive shaft
via said gear change apparatus,

wherein the output shafts of said engine and
said electric rotary machine are provided separately,
and

gears respectively mounted on said two shafts for transmitting the power of the output shaft of said engine and the output shaft of said electric rotary machine directly engage with each other.

4/5. A power transmission apparatus of motor vehicles according to claim 1, further having a clutch for intercepting the output shaft of said electric rotary machine from the electric rotary machine side input shaft of said gear change apparatus.

1. A power transmission apparatus of motor vehicles according to claim 6, further having a clutch for intercepting the output shaft of said electric rotary machine from the electric rotary machine side input shaft of said gear change apparatus.

9. A power transmission apparatus of motor vehicles according to claim 4, further having a clutch for intercepting the output shaft of said electric

rotary machine from the electric rotary machine side
input shaft of said gear change apparatus.

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A power transmission apparatus of motor
vehicles according to claim 2, further having a clutch
for intercepting the output shaft of said electric
rotary machine from the electric rotary machine side
input shaft of said gear change apparatus.

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